

Notice of Allowability

Application No.

09/639,960

Examiner

Paul Callahan

Applicant(s)

KURIAN ET AL.

Art Unit

2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview conducted 10-8-06.
2. ☒ The allowed claim(s) is/are 1-9, 11, 25-28 and 34-49.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ PC.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____ PC
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


EMMANUEL E. MOISE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action, when taken together with the changes made to the language of the claims agreed upon in the interview conducted 10/11/06, is persuasive and, therefore, the finality of that action is withdrawn.
2. Claims 1-9, 11, 25-28, and 34-49 are pending in the instant application and have been examined.

Drawings

3. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the numbering in each figure is hand drawn and informal to the extent of being non-compliant with the requirements of 37 CFR 1.121(d). Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with, L. Lee Eubanks IV, Esq. and Tait Swanson, Esq. on 10-11-06.

The application has been amended as follows:

IN THE CLAIMS:

Claim 1 is amended to read as follows:

1. An electronic system, comprising:
 - a first electronic device having a universal serial bus (USB) port externally exposed;
 - a second electronic device; and
 - a wireless communication system for communicating information between the first and second electronic devices, the wireless communication system comprising:
 - a dongle having an antenna for transmitting and receiving information and a USB connector for selective mating engagement with the USB port, wherein the weight of the dongle is supported entirely by the mating engagement of the USB connector to the USB port, and wherein the dongle is configured to communicate information between the first and second electronic devices by use of the antenna of the dongle.

Claim 25 is amended to read as follows:

25. A computer system, comprising:

a central processing unit having an enclosure, the enclosure having a first universal serial bus (USB) port and a processor disposed therein;

a peripheral device having a second recessed USB port; and

a wireless communication system for communicating information between the central processing unit and the peripheral device, the wireless communication system comprising:

at least one communication dongle having an antenna for transmitting and receiving information, and a USB connector for selective mating engagement with the first USB port and the second USB port, wherein the weight of the at least one communication dongle is supported entirely by the mating engagement of the USB connector to the first or second USB port, and wherein the at least one communication dongle is configured to communicate information between the central processing unit and the peripheral device by use of the antenna of the dongle; and

a data transceiver electrically coupled to the at least one communication dongle.

Claim 39 is amended to read as follows:

39. An electronic system comprising:

a dongle including:

an antenna for transmitting and receiving information; and

a USB connector for selective mating engagement with a USB port of a first electronic device;

wherein the dongle is configured to communicate information between the first electronic device and the second electronic device via the antenna of the dongle, and configured such that the weight of the dongle is supported entirely by the mating engagement of the USB connector to the USB port.

Claim 43 is amended to read as follows:

43. A method of communicating information wirelessly between components of a computer system, comprising:

inserting a universal serial bus (USB) connector of a first communication dongle having a first antenna into a recessed USB port of a computer such that the weight of the first communication dongle is supported entirely by mating engagement of the USB connector to the USB port; and

communicating between a first component of the computer system and the computer via the first antenna of the first communication dongle.

Claim 46 is amended to read as follows:

46. A system, comprising:

a printer having a universal serial bus (USB) port; and

a dongle operable to enable the printer to communicate wirelessly with a second device, the dongle comprising:

a USB connector for connecting the dongle to the USB port of the printer; and

an antenna coupled to the USB connector, wherein the dongle is configured to communicate information between the printer and the second device via the antenna of the dongle.

Allowable Subject Matter

5. Claims 1-9, 11, 25-28, and 34-49 are allowed.

6. The following is an examiner's statement of reasons for allowance:

The closest prior art in the field, Abbott, US 6,671,808, and Green, US 6,519,290, do not teach the combination of features found in the independent claims, particularly including a dongle having an antenna, and having a USB connector, and connected to a first electronic device by mating engagement of the dongle's USB connector and a USB port on the electronic device, where the weight of the dongle is supported entirely by the mating engagement of the USB connector to the USB port, and where the dongle transmits information from the electronic device and receives information from a second electronic device via its antenna.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul E. Callahan whose telephone number is (571) 272-3869. The examiner can normally be reached on M-F from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Emmanuel Moise, can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is: (571) 273-8300.

PEC

10-11-06

Paul Callahan